

Epson TM-T86FII

DATASHEET



Bring efficiency and reliability to your point of sale with the Epson TM-T86FII – the receipt printer for pre-printed thermal paper with black marks from Europe’s number one POS printer manufacturer*.

A fast print speed of 220mm/sec helps you serve customers quickly by enabling batch printing, while graphic printing helps you make an impression by displaying your company logo or latest special offers.

Straightforward to use, the TM-T86FII features an autocutter, and a black mark sensor to detect the correct place to print or cut pre-printed thermal paper. Changing a receipt roll takes just seconds thanks to drop-in paper loading.

The TM-T86FII is easy to integrate into your existing infrastructure, as it has built-in USB and serial/parallel interfaces, plus an ESC/POS-based command protocol, and is compatible with Windows® for maximum flexibility.

Save on energy bills and environmental impact with the TM-T86FII’s ENERGY STAR-qualified power efficiency.

KEY FEATURES

- Fast and reliable receipt printer
- Compatible with pre-printed thermal paper with black marks
- Serve customers quickly with a print speed of 220mm/sec
- Display logos or special offers with graphic printing
- Easy to use with integrated autocutter and black mark sensor
- Change receipt rolls quickly with drop-in paper loading

*Source: Interconnection Consulting, 2010.

PRODUCT SPECIFICATIONS

PRINT TECHNOLOGY	
Printing method	Thermal line printing
Print Resolution	Print resolution
PRINT FONT	
Font	A: 12 × 24 B: 9 × 17 (including horizontal 2-dot spacing)
Column capacity standard	A: 42 columns B: 56 columns
Character size (W × H)	A: 1.41×3.39mm B: 0.99×2.40mm
Character set	Alphanumeric characters: 95, International characters: 18 sets, Extended graphics: 128 × 43 pages (including user-defined page) Bar code: UPC-A, UPC-E, JAN13 / EAN13, JAN8 / EAN8, CODE93, CODE128, GS1-128, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded, CODE39, ITF, CODABAR (NW-7) Two-dimensional code: PDF417, QR Code, Two-dimensional GS1 DataBar, Composite Symbology
Characters per inch ²	15.0 cpi / 20.0 cpi
INTERFACE	
	Built-in USB + UIB (RS-232 or bi-directional parallel)
RECEIVE DATA BUFFER	
	4 KB or 45 bytes
PRINT SPEED	
	Max. 220 mm/s
PAPER DIMENSIONS	
Printable area	Roll paper / 79.5 ± 0.5 (W) × Ø83mm Width: 72mm / right or Left margin: 3.7mm
POWER	
Power consumption	Operating: approx. 1.8 A (mean), standby: approx. 0.1 A (mean), ENERGY STAR compliant
Power supply	24 VDC ± 7 %
Operating temperature / humidity	
	5 ~ 45°C / 10 ~ 90 % RH
Storage temperature / humidity	
	-10 ~ 50°C / 10 ~ 90 % RH (paper excluded)
RELIABILITY	
Printer mechanism life	15 million lines (printing)
Auto cutter life	1.5 million cuts
MTBF	360,000 hours
MCBF	52 million lines
OVERALL DIMENSIONS	
(W × D × H)	145×195×148mm (excluding connector cover)
WEIGHT (approx.)	
	1.6kg
EMC STANDARDS	
	CE marking
SAFETY STANDARDS	
	TÜV (EN60950-1)
OPTIONS	
	Affixing tape (Model: DF-10), wall hanging bracket (model: WH-10), power supply box (model: OT-BX88V)

dpi: dots per 25.4mm (dots per inch)

cpi: characters per 25.4mm (characters per inch)

UIB: Universal Interface Board

PRODUCT LOGISTICS

COLOUR	I/F	CODE	Carton weight		Carton dimensions	
			Individual	Master (4pcs)	Individual	Master (4pcs)
ECW	Built-in USB + RS-232	C31CB85001	2.5kg	10.6kg	242×193×236mm	500×400×255mm
	Built-in USB + bi-directional parallel	C31CB85111				
EDG	Built-in USB + RS-232	C31CB85002	2.5kg	10.6kg	242×193×236mm	500×400×255mm
	Built-in USB + bi-directional parallel	C31CB85112				

WHAT'S IN THE BOX

- Epson TM-T86FII printer
- User's manual
- Power switch cover
- External power supply (Model: PS-180)
- AC cable
- Connector cover
- Warranty card

For further information please contact your local Epson office or visit www.epson-europe.com

Austria 0810/20 01 13 (0,07 €/min) **Belgium** 070/350120 (0,1735 €/min) **Czech** 800/142 052 **Denmark** 44 50 85 85 **Finland** 0201 552 091
France 09 74 75 04 04 (Cost of local call, operator charges may apply) **Germany** 01805/23 41 10 (0,14 €/min aus dem dt. Festnetz, Mobilfunkpreise abweichend. Ab 1.3.2010 Mobilfunkpreis max. 0,42 €/min) **Greece** 210-8099499 **Hungary** 06800 147 83 **Ireland** 01 436 7742 **Italy** 02-660321 10 (0,12 €/min) **Luxembourg** 900/43010 (0,24 €/min) **Middle East** +9714 8818934 **Netherlands** 0900-5050808 (0,05 €/oproep + 0,15 €/min)
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South Africa (+2711) 465-9621 **Spain** 93 582 15 00 **Sweden** 0771-400135 (Mobilsamtal – 0,99 kr/min, Lokala samtal – 0,30 kr/min, Utlandssamtal – 0,89 kr/min) **Switzerland** 0848 448820 (8 cent./min) **Turkey** (0212) 3360303 **United Kingdom** 0871 222 6702

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